

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
 Data File : BN007865.D  
 Acq On : 25 Sep 2019 21:52  
 Operator : JU  
 Sample : K4994-05 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-SW093-091819-1

Manual Integrations  
 APPROVED

mohammad  
 9/27/2019 8:28:08 AM

Quant Time: Sep 26 11:53:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 11709    | 0.40   | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.46 | 136  | 46244    | 0.40   | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.31 | 164  | 29909    | 0.40   | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.06 | 188  | 48649    | 0.40   | ng    | -0.01    |
| 27) Chrysene-d12               | 21.26 | 240  | 56602    | 0.40   | ng    | -0.01    |
| 34) Perylene-d12               | 23.47 | 264  | 75753    | 0.40   | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.31  | 112  | 1286     | 0.03   | ng    | 0.00     |
| 5) Phenol-d6                   | 6.87  | 99   | 1861     | 0.03   | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 1462     | 0.04   | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.05 | 152  | 2786     | 0.04   | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 422      | 0.03   | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.93 | 172  | 3925     | 0.03   | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.10 | 212  | 5402m    | 0.03   | ng    | -0.01    |
| 29) Terphenyl-d14              | 19.69 | 244  | 12141    | 0.09   | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Naphthalene                 | 10.51 | 128  | 181585   | 1.399  | ng    | 100      |
| 12) 2-Methylnaphthalene        | 12.13 | 142  | 153826   | 1.754  | ng    | 100      |
| 16) Acenaphthylene             | 14.03 | 152  | 1590855  | 10.029 | ng    | 98       |
| 17) Acenaphthene               | 14.38 | 154  | 241563   | 2.362  | ng    | 93       |
| 18) Fluorene                   | 15.36 | 166  | 587937   | 4.486  | ng    | # 90     |
| 23) Phenanthrene               | 17.10 | 178  | 9022306  | 59.534 | ng    | 98       |
| 24) Anthracene                 | 17.19 | 178  | 1995606  | 14.580 | ng    | 98       |
| 26) Fluoranthene               | 19.13 | 202  | 10371699 | 55.039 | ng    | 96       |
| 28) Pyrene                     | 19.50 | 202  | 13328445 | 69.043 | ng    | # 90     |
| 30) Benzo(a)anthracene         | 21.25 | 228  | 6254510m | 30.007 | ng    |          |
| 31) Chrysene                   | 21.29 | 228  | 7524434m | 37.040 | ng    |          |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 4323     | 0.040  | ng    | # 52     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.70 | 276  | 3717561  | 14.617 | ng    | 97       |
| 35) Benzo(b)fluoranthene       | 22.82 | 252  | 6757377  | 25.694 | ng    | 98       |
| 36) Benzo(k)fluoranthene       | 22.85 | 252  | 2466007m | 9.483  | ng    |          |
| 37) Benzo(a)pyrene             | 23.39 | 252  | 5850090m | 23.671 | ng    |          |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278  | 1098907  | 4.346  | ng    | 95       |
| 39) Benzo(a,h,i)perylene       | 26.38 | 276  | 4076561  | 16.292 | ng    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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